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SECUENCE LISTING

(1) GENERAL INFORMATION

5 (i) APPLICANT: Allergan, Inc.

(ii) TITLE OF THE INVENTION: MODIFICATION OF CLOSTRIDIAL TOXINS FOR USE AS TRANSPORT PROTEINS

(iii) NUMBER OF SEQUENCES: 13

(iv) CORRESPONDENCE ADDRESS:

(A) ADDRESSEE: Knobbe, Martens, Ol/son & Bear

(B) STREET: 620 Newport Center Drive 16th Floor

(C) CITY: Newport Beach

(D) STATE: CA

(E) COUNTRY: U.S.A.

(F) ZIP: 92660

(v) COMPUTER READABLE FORM:

(A) MEDIUM TYPE: Diskette

(B) COMPUTER: IBM Compatible

(C) OPERATING SYSTEM: DOS

(D) SOFTWARE: FastSEQ Version 1.5

(vi) CURRENT APPLICATION DATA

(A) APPLICATION NUMBER:

(B) FILING DATE:(C) CLASSIFICATION:

(vii) PRIOR APPLICATION DATA:

(A) APPLICATION NUMBER: GB 9410870.1

(B) FILING DATE: 31-MAY-1994

(A) APPLICATION NUMBER: GB 9410871.9

(B) FILING DATE: 31-MAY/1994

(viii) ATTORNEY/AGENT INFORMATION:

(A) NAME: Altman, Daniel E

(B) REGISTRATION NUMBER: 34,115

(C) REFERENCE/DOCKET NUMBER: ALRGN.054QPC

(ix) TELECOMMUNICATION INFORMATION:

(A) TELEPHONE: 714-760-0404

(B) TELEFAX: 714-760√9502

(C) TELEX:

(2) INFORMATION FOR SEQ ID NO:1:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 33 base pairs

(B) TYPE: nucleic adid

(C) STRANDEDNESS: single

(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: CDNA

(iii) HYPOTHETICAL: NO

SUBSTITUTE SHEET (RULE 26)

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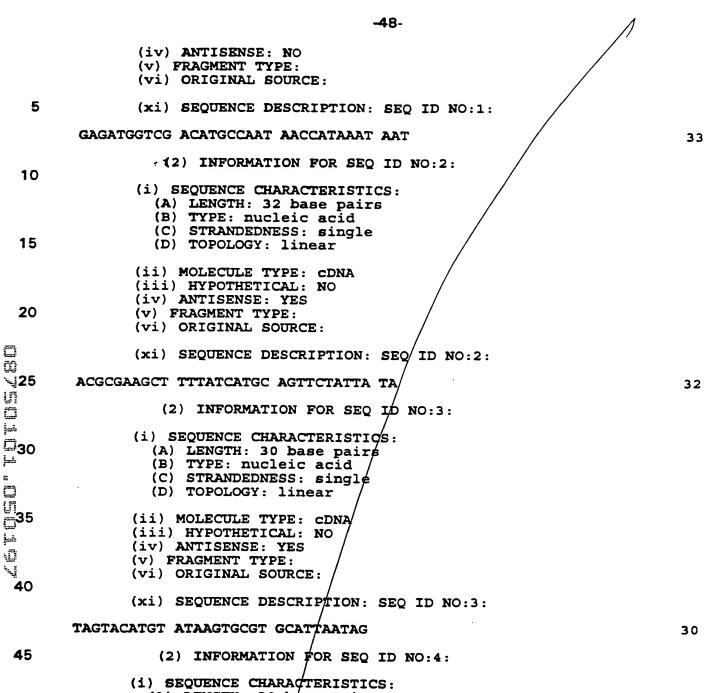
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(A) LENGTH: 20 base pairs

(B) TYPE: nuclei/c acid

(C) STRANDEDNES\$: single
(D) TOPOLOGY: linear

(ii) MOLECULE TYPE: cDNA

(iii) HYPOTHETICAL: NO

(iv) ANTISENSE: NO

(v) FRAGMENT TYPE:

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(vi) ORIGINAL SQURCE:

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

SUBSTITUTE SHEET (RULE 26)



	TTATACATGT ACTACATGGT	20
	(2) INFORMATION FOR SEQ ID NO:5:	
5 10	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 23 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
	(ii) MOLECULE TYPE: cDNA (iii) HYPOTHETICAL: NO (iv) ANTISENSE: NO (v) FRAGMENT TYPE:	
15	(vi) ORIGINAL SOURCE: (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:	
	AAAGGCCTTT TGTTAATAAA CAA	2.2
20	(2) INFORMATION FOR SEQ ID NO:6:	23
OE 725	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 26 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
무 다 다 다 다	(ii) MOLECULE TYPE: cDNA (iii) HYPOTHETICAL: NO (iv) ANTISENSE: YES (v) FRAGMENT TYPE: (vi) ORIGINAL SOURCE:	
∭ ⊡ 35	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:	
ja D	GGAATTCTTA CTTATTGTAT CCTTTA	26
4 0	(2) INFORMATION FOR SEQ ID NO:7: (i) SEQUENCE CHARACTERISTICS:	
45	(A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
50	(ii) MOLECULE TYPE: cDNA (iii) HYPOTHETICAL: NO (iv) ANTISENSE: NO (v) FRAGMENT TYPE: (vi) ORIGINAL SOURCE:	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:	
55	GCACATCAAC TTATACAT	18
	(2) INFORMATION FOR SEQ ID NO:8:	
	(i) SECHENCE CUADACTEDISTICS	

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5	(A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
5	(ii) MOLECULE TYPE: cDNA (iii) HYPOTHETICAL: NO (iv) ANTISENSE: YES (v) FRAGMENT TYPE:	
10	(vi) ORIGINAL SOURCE:	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:8: ATGTATAAGT TGATGTGC	
15		18
	(2) INFORMATION FOR SEQ ID NO:9:	
20	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
₩ 25 ₩ 1	(ii) MOLECULE TYPE: cDNA (iii) HYPOTHETICAL: NO (iv) ANTISENSE: NO (v) FRAGMENT TYPE: (vi) ORIGINAL SOURCE:	
_3 0	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:	
	AACTTATATA TGCTGGAC	18
	(2) INFORMATION FOR SEQ ID NO:10:	
40 40	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 18 base pairs (B) TYPE: nucleic acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	
45	(ii) MOLECULE TYPE: cDNA (iii) HYPOTHETICAL: NO (iv) ANTISENSE: YES (v) FRAGMENT TYPE: (vi) ORIGINAL SOURCE:	
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:	
50	GTCCAGCATA TATAAGTT	18
	(2) INFORMATION FOR SEQ ID NO:11:	
55	(i) SEQUENCE CHARACTERISTICS: (A) LENGTH: 13 amino acids (B) TYPE: amino acid (C) STRANDEDNESS: single (D) TOPOLOGY: linear	

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